

IN THE SPECIFICATION

Page 7, replace the paragraph beginning on line 12 as follows:

The pyrimidine or purine nucleic acid base in the present ~~invention~~ invention refers to thymine<sup>e</sup>, uracil, cytosine, adenine, guanine, or derivatives thereof.

Page 25, replace the paragraph beginning on line 8 as follows:

(1) Synthesis of methyl=5-O-(t-butyldiphenylsilyl)-4-hydroxymethyl-2,3-O-isopropylidene-β-D-ribofuranoside (Compound 14)

Page 26, replace the paragraph beginning on line 8 as follows:

(2) Synthesis of methyl=5-O-(t-butyldiphenylsilyl)-2,3-O-isopropylidene-4-(p-toluenesulfonyloxymethyl)-β-ribofuranoside (Compound 15)

Page 27, replace the paragraph beginning on line 10 as follows:

(3) Synthesis of methyl=5-O-(t-butyldiphenylsilyl)-4-(p-toluenesulfonyloxymethyl)-β-D-ribofuranoside (Compound 16)

Page 28, replace the paragraph beginning on  
line 3 as follows:

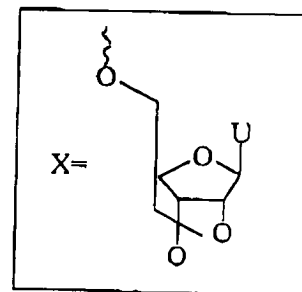
B5 ✓  
(4) Synthesis of methyl=5-O-(t-butyldiphenylsilyl)-2-O,4-C-methylene-β-D-ribofuranoside (Compound 17) and methyl=5-O-(t-butyldiphenylsilyl)-3-O,4-C-methylene-β-D-ribofuranoside (Compound 18)

Page 29, replace the paragraph beginning on  
line 11 as follows:

be ✓  
(5) Synthesis of methyl=3-O,acetyl-5-O-(t-butyldiphenylsilyl)-2-O,4-C-methylene-β-D-ribofuranoside (Compound 19)

Page 46, replace the last nine lines as  
follows:

B7 ✓  
5'-GCGXTTTTGTGCT-3' (XT6) (SEQ ID NO:2)  
5'-GCGTTXTTGTGCT-3' (T2XT3) (SEQ ID NO:3)  
5'-GCGTTTXXTGTGCT-3' (T3XT2) (SEQ ID NO:4)  
5'-GCGTTTTTXXGCT-3' (T5X) (SEQ ID NO:5)  
5'-GCGXXTTTGTGCT-3' (X2T4) (SEQ ID NO:6)  
5'-GCGTTXXTGTGCT-3' (T2X2T2) (SEQ ID NO:7)  
5'-GCGTTTTTXXGCT-3' (T4X2) (SEQ ID NO:8)  
5'-GCGXXXXXXGCT-3' (X6) (SEQ ID NO:9)  
5'-GTTTTTTTTTXXC-3' (X2) (SEQ ID NO:11)



Page 48, replace the paragraph beginning on  
line 27 as follows:

- B8 ✓ (2) 5'-GCGXTTTTGTGCT-3' (XT5) (SEQ ID NO:2)  
Yield 0.06  $\mu$ mol (30% yield)

Page 49, replace the paragraph beginning on  
line 1 as follows:

- B9 (3) 5'-GCGTTXTTGTGCT-3' (T2XT3) (SEQ ID NO:3)  
Yield 0.05  $\mu$ mol (25% yield)

Page 49, replace the paragraph beginning on  
line 3 as follows:

- ✓ B10 (4) 5'-GCGTTTXXTGTGCT-3' (T3XT2) (SEQ ID NO:4)  
Yield 0.03  $\mu$ mol (15% yield)

Page 49, replace the paragraph beginning on  
line 5 as follows:

- B11 ✓ (5) 5'-GCGTTTTTXGCT-3' (T5X) (SEQ ID NO:5)  
Yield 0.06  $\mu$ mol (30% yield)

Page 49, replace the paragraph beginning on  
line 7 as follows:

- ✓ B12 (6) 5'-GCGXXTTTGTGCT-3' (X2T4) (SEQ ID NO:6)  
Yield 0.06  $\mu$ mol (30% yield)

Page 49, replace the paragraph beginning on  
line 9 as follows:

B13 ✓  
(7) 5'-GCGTTXXTTGCT-3' (T2X2T2) (SEQ ID NO:7)

Yield 0.05  $\mu$ mol (25% yield)

Page 49, replace the paragraph beginning on  
line 11 as follows:

B14 ✓  
(8) 5'-GCGTTTTXXGCT-3' (T4X2) (SEQ ID NO:8)

Yield 0.06  $\mu$ mol (30% yield)

Page 49, replace the paragraph beginning on  
line 13 as follows:

B15 ✓  
(9) 5'-GCGXXXXXXGCT-3' (X6) (SEQ ID NO:9)

Yield 0.06  $\mu$ mol (30% yield)

Page 49, replace the paragraph beginning on  
line 15 as follows:

B16 ✓  
(11) 5'-GTTTTTTTTTXXC-3' (X2) (SEQ ID NO:11)

Yield 0.07  $\mu$ mol (35% yield)

Page 51, replace the Table 1 as follows:

Table 1 Melting Temperatures (Tm's) of Antisense  
 Oligonucleotide Analogues for Complementary DNA  
 and RNA

Antisense molecule	Tm for complementary DNA <sup>a)</sup> ( $\Delta T_m$ /mod.)	Tm for complementary RNA <sup>b)</sup> ( $\Delta T_m$ /mod.)
5'-GCGTTTTTTTGCT-3' (natural) (SEQ ID NO:1)	47°C	45°C
5'-GCGXTTTTGTGCT-3' (XT6) (SEQ ID NO:2)	50°C (+3°C)	49°C (+4°C)
5'-GCGTTXTTGTGCT-3' (T2XT3) (SEQ ID NO:3)	49°C (+2°C)	49°C (+4°C)
5'-GCGTTTXXTGTGCT-3' (T3XT2) (SEQ ID NO:4)	49°C (+2°C)	50°C (+5°C)
5'-GCGTTTTTXGCT-3' (T5X) (SEQ ID NO:5)	52°C (+4°C)	51°C (+6°C)
5'-GCGXXTTTTGTGCT-3' (X2T4) (SEQ ID NO:6)	51°C (+2°C)	53°C (+4°C)
5'-GCGTTXXTGTGCT-3' (T2X2T2) (SEQ ID NO:7)	49°C (+1°C)	53°C (+4°C)
5'-GCGTTTTXXGCT-3' (T4X2) (SEQ ID NO:8)	54°C (+3.5°C)	55°C (+5°C)
5'-GCGXXXXXXGCT-3' (X6) (SEQ ID NO:9)	58°C (+1.8°C)	71°C (+4.3°C)
a) 3'-CGCAAAAAACGA-5' (SEQ ID NO:12)		
b) 3'-r(CGCAAAAAACGA) (SEQ ID NO:12)		

Page 53, replace the table beginning on line 11

as follows:

Oligonucleotide sequence	$t_{1/2}$ (seconds)
5'-GTTTTTTTTTTT-3' (natural type) (SEQ ID NO:10)	260
5'-GTTTTTTTTTTT-XX-C-3' (X2) (SEQ ID NO:11)	850